



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Natsume et al.

Serial No.: 10/717,468

Filed: 11/21/2003

Title: APPARATUS FOR DETECTING  
DIRECTION OF TARGET USING  
DIFFERENCE IN PHASE OF RADIO  
WAVE SIGNALS RECEIVED THROUGH  
PLURAL CHANNELS

Atty. Dkt.: 11-205-RCE

Art Unit: 3662

Examiner: Daniel T. PIHULIC

**Allowed: March 28, 2006**

**Confirmation No.: 8123**

Commissioner for Patents  
Alexandria, VA 22314  
**Mail Stop Issue Fee**

June 15, 2006

**ISSUE FEE TRANSMITTAL LETTER**

Sir:

Enclosed are one original and one copy of an executed Issue Fee Transmittal Form  
PTOL-85B for the above allowed patent application as well as a check in the amount of \$1700.00  
for payment of the requisite issue fee and publication fee.

Authorization is hereby given to charge any fee deficiencies or credit any overpayment to  
Deposit Account 50-1147.

Respectfully submitted,

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## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
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23400 7590 03/28/2006

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(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10717,468	11/21/2003	Kazuma Natsume	11-205	8123

TITLE OF INVENTION: APPARATUS FOR DETECTING DIRECTION OF TARGET USING DIFFERENCE IN PHASE OF RADIO WAVE SIGNALS  
 RECEIVED THROUGH PLURAL CHANNELS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	06/28/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
PIHULIC, DANIEL T	3662	342-147000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
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2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
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2 \_\_\_\_\_

3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

**DENSO CORPORATION**

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**Kariya-city, Japan**

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

06/16/2006 MREYENF 00000003 10717468

Authorized Signature \_\_\_\_\_

Typed or printed name **David G. Posz**

Date **June 15, 2006**

02 FC:1504

Registration No. **37,701**

1400.00 OP

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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